

CLAIMS

1. A device for on-site checking of an angle-of-attack probe (10), the probe comprising a probe body (11), a mobile blade (15) rotatable about an axis (Δ_s) with respect to the probe body (11), characterized in that it furthermore comprises an enveloping structure (26) intended to receive the blade (15), the blade (15) being immobilizable temporarily with respect to the enveloping structure (26), and means of measuring an angle of the enveloping structure (26) with respect to the probe body (11).
2. The device as claimed in claim 1, characterized in that the angle of the enveloping structure (26) with respect to the probe body (11) is an angle of rotation of the blade (15) about its axis of rotation (Δ_s).
3. The device as claimed in claim 1, characterized in that the angle of the enveloping structure (26) with respect to the probe body (11) is an angle of rotation of the blade (15) measured in a plane containing the axis (Δ_s).
4. The device as claimed in one of the preceding claims, characterized in that the means of measuring an angle of the enveloping structure (26) with respect to the probe body (11) comprise an index (30) integral with the enveloping structure (26) and a graduated angular sector (31) integral with a support (20) of the device.
5. The device as claimed in one of the preceding claims, characterized in that the means of measuring an angle of the enveloping structure (26) with respect to the probe body (11) comprise an inclinometer (29, 30) integral with the enveloping structure (26).

6. The device as claimed in one of the preceding claims, characterized in that the means of measuring an angle of the enveloping structure (26) with respect to the probe body (11) comprise an inclinometer (31, 32) integral with the support (20).

7. The device as claimed in any one of claims 5 or 6, characterized in that the means of measuring an angle of the enveloping structure (26) with respect to the probe body (11) comprise two inclinometers (29, 30) integral with the enveloping structure (26), and in that the first inclinometer (29) makes it possible to measure an angle of rotation of the blade (15) about its axis of rotation (Δ_s) and in that the second inclinometer (30) makes it possible to measure an angle of rotation of the blade (15) measured in a plane containing the axis (Δ_s).

8. The device as claimed in claims 6 and 7, characterized in that the means of measuring an angle of the enveloping structure (26) with respect to the probe body (11) comprise two inclinometers (31, 32) integral with the support (20), in that the angle of rotation of the blade (15) about its axis of rotation (Δ_s) is obtained by differencing the measurement carried out by the first inclinometer (29) integral with the enveloping structure (26) and the first inclinometer (36) integral with the support (20) and in that the angle of rotation of the blade (15) measured in a plane containing the axis (Δ_s) is obtained by differencing the measurement carried out by the second inclinometer (35) integral with the enveloping structure (26) and the second inclinometer (32) integral with the support (20).

9. A method of on-site checking of an angle-of-attack probe (10), the probe comprising a probe body (11), a mobile blade (15) rotatable about an axis of (Δ_s) with respect to a probe body (11) and a sensor of angle of

rotation of the blade (15) with respect to the probe body (11) about the axis (Δ_s), characterized in that the device furthermore comprises an enveloping structure (26) intended to receive the blade (15), the blade (15) being immobilizable temporarily with respect to the enveloping structure (26), and means of measuring an angle of the enveloping structure (26) with respect to the probe body (11), and in that the method consists in:

- 10 - immobilizing the probe body (11) with respect to a support (20) of the device,
- immobilizing the blade (15) in the enveloping structure (26),
- orienting the blade (15) in such a way that the means of measuring an angle of the enveloping structure (26) with respect to the probe body (11) indicates an angle of characterization of the probe,
- adjusting the angle-of-rotation sensor so that it indicates a zero value.

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10. The method as claimed in claim 9, characterized in that after having oriented the blade (15) in such a way that the means of measuring an angle of the enveloping structure (26) with respect to the probe body (11) indicates an angle of characterization of the probe, and before adjusting the angle-of-rotation sensor so that it indicates a zero value, the method consists in immobilizing the enveloping structure (26) with respect to the support (20).

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11. A device for characterizing an angle-of-attack probe, the probe comprising a mobile blade (15) rotatable about an axis (Δ_s), characterized in that the device comprises an enveloping structure (26) intended to receive the blade (15), and in that the enveloping structure (26) forms a mechanical reference in the determination of an angle of characterization of the probe.